

Amendments to the Specification

Please amend the first paragraph of the Detailed Description on page 3 to read as follows:

a1
"Figure 1 shows an amplifier 10 connected to speakers 12a and 12b. This Amplifier 10 is merely intended as an illustration of the sound generation and amplification portions of a sound system. Typically, sound systems include a tuner/receiver, a CD player, tape deck, turntable or some other type of sound production equipment. Similarly, the speakers 12a and 12b are show connected to the amplifier 10 through wired connections. It must be understood that the connection between the speakers and the amplifier could also be wireless. However, for purposes of discussion, and with no intention of limiting the invention, a wired connection will be assumed."

Please amend the paragraph at the top of page 5 to read as follows:

a2
"An advantage of the speaker with intelligence is that it allows the amplifier to have more complete information with regard to the speaker characteristics. The amplifier would have data on the maximum power handling capacity, the impedance profile and the equalization requirements. For example, the speaker may have a maximum power capacity that is less than that indicated by full volume on the amplifier. The amplifier could then override any volume settings that would otherwise damage a speaker. Similarly, having more exact information than a range of impedance and the equalization requirements will allow the speaker to modulate the audio signal more precisely, resulting in better system performance. It must be noted that the speaker characteristics are the hardware characteristics of the speaker, not performance

A2
Cont

characteristics. These static characteristics do not change for a give
speaker, which is why it is possible to shut down the communications
module after the transmission."
